FEDERAL ITEM IDENTIFICATION GUIDE

MISCELLANOUS WELDING, SOLDERING, AND BRAZING SUPPLIES AND ACCESSORIES

This Reprint replaces FIIG T166, dated May 7, 2010.

Commander

Defense Logistics Information Service

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
BODY, ELECTRODE, WELDING	38621	GA

A hand held device designed to support the collet; collet body, cup and will be attached to the handle during Gas Metal-ARC and Gas Tunston - ARC welding.

Brazing Alloy

1. A nonferrous product used for joining metals by fusion at a temperature below the melting temperature of the metals being joined. It is made from a metallic alloy and melts at a temperature above 800 degrees F (426.6 degrees C). Use material modifier.

BRAZING ALLOY (1), ALUMINUM	15658	BA

A brazing alloy whose main ingredient is aluminum. It is supplied in form of wire, bar, strip, grains (granular), washers, and rings.

BRAZING ALLOY (1), COPPER	15659	BA

A brazing alloy whose main ingredient is copper. It is supplied in the form of wire, bar, strip, or grains (granular). Excludes BRAZING ALLOY, SILVER.

BRAZING ALLOY (1), COPPER-ZINC	15660	BA

A brazing alloy whose main ingredients are copper and zinc, in nominally equal proportions. It is supplied in form of wire, bar, strip, or grains (granular). Excludes BRAZING ALLOY, SILVER.

BRAZING ALLOY, GOLD	15663	BB

A brazing alloy whose main ingredient is gold. It is supplied in form of wire, bar, strip, or grains (granular).

BRAZING ALLOY (1), SILVER	15661	BA

Any brazing alloy containing silver. It is supplied in the form of strip, rod, wire, pigs, grains, shot, chips and various preformed shapes such as washers, rings and the like. Excludes BRAZING ALLOY, GOLD.

BRAZING ALLOY (1), ZINC	15662	BA

A brazing alloy whose main ingredient is zinc. It is supplied in form of wire, bar, strip, and grains (granular).

CARBON BLOCK, WELDING	13697	ED

A form of mineral carbon in the shape of a block intended for use as backing strip, molds, or plugs to restrict the flow of molten weld metal and/or to assist in the "build up" of welded parts to a nearly finished size and shape.

Approved Item Name	INC	App Key
CARBON ROD, WELDING	13699	ED

A form of mineral carbon in the shape of a rod intended for use as backing strip, molds, or plugs to restrict the flow of molten weld metal and/or to assist in the "build up" of welded parts to a nearly finished size and shape.

CLEANER, WELDING AND CUTTING TIP	06189	HA
COLLET BODY, WELDING TORCH	36906	GB

An item designed to retain an electrode in a TORCH, WELDING, GAS SHIELDED ARC. It must be threaded on one or both ends and have holes around its periphery. A gas lens may or may not be an integral part of the body.

COLLET, WELDING TORCH	38772	GB

A replaceable item that is used in conjuncting with a COLLET BODY,WELDING TORCH.

DESOLDERING TOOL, ELECTRIC	35200	KB

An item designed to transmit heat from an electric heating element to a desoldering tip/ head for desoldering one or more connection(s) or multiple-pole component parts from wiring boards. During the desoldering process, the connection(s) or joint(s) are heated; when multiple, heated simultaneously. The holes are freed by suction from soldering material so that the part may be removed and replaced by a new one. It may include a handle, a suction apparatus, a release mechanism, a heating head, a desoldering tip, an extracting device, a power supply, and a case.

FLUX, BRAZING	07570	SC

An item designed primarily for brazing but may sometimes be used for welding in addition to razing.

FLUX, SOLDERING	07569	SA
FLUX, WELDING	07571	SB

An item designed primarily for welding but may sometimes be used for brazing in addition to welding.

HEAT SINK, SOLDERING AID	61653	TA

An item for dissipating heat during soldering operations which incorporates either a liquid absorbent in the form of foam or gel, or a metallic absorbent. The metallic absorbent is designed for attachment to heat sensitive components, such as diodes or transistors, to prevent thermal changes. Excludes HEAT SINK, ELECTRICAL-ELECTRONIC COMPONENTS.

Holder

1. (Electrical-Mechanical) A device specifically designed to accommodate and position another item, to facilitate quick replacement of the item held. Do not use if a more specific name is applicable. Excludes BRACKET (as modified); CLAMP (as modified); CLIP (as modified); and RETAINER (as modified).

Approved Item Name	INC	App Key
HOLDER (1), ELECTRODE, WELDING	04040	GA

A holder used to accommodate and conduct current to a welding electrode.

HOLDER, SOLDERING IRON	05634	PA

A device specifically designed to position a soldering iron when not in use. It may be electrically connected for regulating the temperature of the iron.

NOZZLE (1), WELDING	40095	QB

An item that controls and directs air and/or gas flow to an area to be welded.

Solder

1. A nonferrous product used for joining metals by fusion at a temperature below the melting temperature of the metals being joined. It is made from a metallic alloy and melts at a temperature below 800 degrees F (426.6 degrees C). Use material modifier. See also BRAZING ALLOY (as modified).

SOLDER (1), BISMUTH-LEAD ALLOY	04984	CA

A solder whose main ingredients are bismuth and lead in nominally equal proportions. It is supplied in form of wire, bar and strip.

SOLDER (1), LEAD ALLOY	04985	CA

A solder whose main ingredient is lead. It is supplied in form of wire, bar and strip.

SOLDER (1), LEAD FREE	40811	CA

A solder whose main ingredients are tin and silver. It is supplied in the form of wire.

SOLDER (1), LEAD-TIN ALLOY	04986	CA

A solder whose main ingredients are lead and tin in nominally equal proportions. It is supplied in form of wire, bar and strip.

SOLDER, PASTE	11363	SD

A compound of finely powdered solder metal combined with a flux or deoxidizing agent.

SOLDER (1), TIN ALLOY	04987	CA

A solder whose main ingredient is tin. It is supplied in form of wire, bar, strip, or grains (granular).

SOLDER (1), ZINC ALLOY	29723	CA

A solder whose main ingredient is zinc. It is supplied in form of rod and bar.

Approved Item Name	INC	App Key
SOLDERING AND BRAZING OUTFIT, RESISTANCE HEATING	13971	NA

An item consisting of a power unit with soldering (or brazing) leads and attachments. The power unit converts a high voltage-low current source into a low voltage-high current output. In operation, the output current flows through an electrode of the attachment, which raises the temperature of the metal with which it is in contact, by resistance heating, until the melting point of the solder or brazing alloy is reached.

SOLDERING-DESOLDERING STATION	38034	JA

An item consisting of a power unit with soldering-desoldering leads and attachments. May include a specially designed pedestal, a lighting system, an extracting device, and the like.

SOLDERING GUN	00207	JA

An item designed for intermittent manual control of electrical current to the tip in order to apply heat to a junction which is to be united by the use of solder. It is also designed for use with a quick heating tip. See also SOLDERING IRON, ELECTRIC.

SOLDERING IRON, ELECTRIC	03559	KA

An item consisting of a handle, an electrical cord, an integral electrical heating element, and a soldering tip. It is designed to transmit heat from an integral electrical heating element to a soldering tip for the purpose of soldering. It may include a case, extra soldering tips, and the like. Excludes SOLDERING GUN. See also SOLDERING PENCIL, ELECTRIC.

SOLDERING IRON, NONELECTRIC	03553	LA

Excludes SOLDERING IRON, GAS.

SOLDERING PENCIL, ELECTRIC	21030	MA

A hand-held item consisting of a single electrode holder and one or two current carrying electrodes at one end. It is used to raise the temperature of metal in contact with the electrode(s) by resistance heating. The single electrode type requires, and is furnished with, a ground clamp. For items including a power unit, see SOLDERING AND BRAZING OUTFIT, RESISTANCE HEATING. See also SOLDERING IRON, ELECTRIC.

SOLDERING STATION	40076	JA

An item consisting of a power source and soldering iron. It may include a HOLDER, SOLDERING IRON, a cleaning sponge, a replacement tip storage container, a soft-solder feeding mechanism, a heated working top, a chip gripping device, and one or more TIP, ELECTRIC SOLDERING IRON.

STRAND, DESOLDERING	41951	LA

An item consisting of several wires twisted around each other to form a strip having high suction capabilities. It is used for sucking off soft solder when desoldering solder joints.

Approved Item Name	INC	App Key
SUCTION DEVICE, DESOLDERING	38179	KC

An item designed for suction of molten solder by vacuum. Facilities for mounting to a soldering iron may be included.

TACKING IRON, PHOTOGRAPHIC DRY MOUNTING	05830	KA

A device with an electric heating element within a metal shield. The metal shield or case is tublar in shape with one end of tube attached to handle, and the opposite end shaped to a straight edge. It is used for attaching photographic prints to mounting stock or cards.

TIP, ELECTRIC SOLDERING GUN	15657	RA
TIP, ELECTRIC SOLDERING IRON	11205	QA

A metallic item designed to be attached to the end of an electric soldering iron or an electric soldering iron handle for the purpose of transmitting heat to the item being soldered. It may include an integral electrical heating element and may be designed to accommodate a tiplet.

TIP, NONELECTRIC SOLDERING IRON	28145	QA

A metallic item designed to be attached to the end of a nonelectric soldering iron for the purpose of transmitting heat to the item being soldered.

TIP, SUCTION DEVICE, DESOLDERING	38180	RB

An item designed to be attached to the end of a SUCTION DEVICE, DESOLDERING for the purpose of removing solder during desoldering operation.

TORCH, ARC-OXYGEN, CUTTING	15666	GA

An item specifically designed to hold a hollow electrode through which oxygen and electric current are supplied for cutting metal.

WELDING POWDER, METALLIC OVERLAY	20072	SE

A metallic powder used for coating metallic or nonmetallic surfaces by the welding process, to produce a surface resistant to abrasion and/or corrosion. It may be applied with an oxy-acetylene torch, furnace, or with a spray weld gun.

APPLICABILITY KEY INDEX

	BA	BB
NAME	X	X
ARRX	AR	AR
AGXW	X	X
ARSE	AR	AR
AJWK		AR
ADDZ	X	X
ABMZ	AR	AR
ABRY	AR	AR
ABNM	AR	AR
ABGL	AR	AR
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NMBR	AR	
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AAZU	AR	
ABHP	AR	
AEDN	AR	
AESD	AR	
ASFX	AR	
ACJL	AR	
ASFS	X	
ASFT	AR	
ASFW	AR	
AQEF	X	
ACDC	AR	
APHA	AR	
ASDK	AR	
ARSB		X
ARRQ		AR
AAXL		AR
ADJH	AR	AR
THDS		AR
APJC		AR
ABUJ		AR
STYL		AR
ABHP		AR
AESD		AR
AMSF		AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
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ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
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PRPY	AR	AR
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ELCD	AR	AR
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PMWT	AR	AR
PMLC	AR	AR
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ZZZV	AR	AR
CXCY	AR	AR

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ABGL	AR	AR
ABMZ	AR	AR
ASDJ		AR
AQEF	X	
MATL	X	X
SURF	AR	
ADJH	AR	AR
ABCH	X	AR
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FEAT	AR	AR
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ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
AFJK	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
AGAV	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

	SA	SB	SC	SD	SE
NAME	X	X	X	X	X
ARBH	X	X	X		
AWRD	AR				
AMSP				X	X
AGXW	X	X	X		
AHVZ		AR			
ADZC	AR				AR
ARSB		X			
ARSD	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR
PMWT	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR

	TA
NAME	X
STYL	X
ABHP	AR
MATL	AR
MDCL	AR
SURF	AR
STDC	AR
APYN	AR
CXDC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
AGAV	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

[Page Break]

Body

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15662*)

ALL *			
	ARRX	G	CHEMICAL COMPOSITION PERCENTAGE

Definition: THE ELEMENT(S) USED IN THE FABRICATION OF THE ITEM, EXPRESSED IN PERCENT.

Reply Instructions: Enter the reply in clear text. (e.g., ARRXGGOLD 41*)

Separate multiple replies with a semicolon. (e.g., ARRXGGOLD 41; COPPER 30.6; CHROMIUM 28.4*)

ALL			
	AGXW	D	PHYSICAL FORM

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXWDBD*)

REPLY CODE	REPLY (AE98)
CR	BALL
HP	BAR
BD	GRANULAR
MG	INGOT
AH	POWDER
AS	RIBBON
MH	RIBBON FOIL

APP Key	MRC	Mode Code	Requirements
		LC	RING
		ME	ROD
		CN	STRIP
		MF	WIRE

NOTE FOR MRC ARSE AND AJWK: IF REPLY CODE BD IS ENTERED FOR MRC AGXW, REPLY TO MRC ARSE. FOR APPLICABILITY KEY BB - IF REPLY CODE CN IS ENTERED FOR MRC AGXW, REPLY TO MRC AJWK.

ALL * (See Note Above)

ARSE D GRANULE SIZE

Definition: DESIGNATES THE SIZE OF THE GRANULES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARSEDAP*)

REPLY CODE	REPLY (AF67)
AP	COARSE ROUND
AQ	FINE LONG
AR	FINE ROUND
AS	LUMP
AT	MIXED LONG
AW	MIXED ROUND

BB* (See Note Preceding MRC ARSE)

AJWK J WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJWKJWA1.250*; AJWKJRA1.9*; AJWKJWB1.000$$JWC2.000*)

Table 1

REPLY CODE	REPLY (AB16)
R	GRAMS
W	PENNYWEIGHT

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL

ADDZ D FLUX FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SURFACE COATING IS INCLUDED ON THE ITEM TO FACILITATE WELDING BY PREVENTING OXIDATION IN THE PROCESS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADDZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

WHEN THE SOURCE DOCUMENT INDICATES A CIRCULAR ITEM, REPLY TO MRCS ABMZ AND ABRY. IF OTHER THAN A CIRCULAR ITEM, REPLY TO MRCS ABRY, ABNM, AND ABGL.

ALL * (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.875*; ABMZJLA22.2*; ABMZJAB0.800$$JAC0.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL * (See Note Preceding MRC ABMZ)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA36.000*; ABRYJLA914.4*; ABRYJAB30.000$$JAC42.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABMZ)

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA0.003*; ABNMJLA0.1*; ABNMJAB0.001$$JAC0.005*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL * (See Note Preceding MRC ABMZ)

ABGL	J	WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.750*; ABGLJLA19.0*; ABGLJAB0.500$$JAC0.900*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BB

ARSF	A	GOLD ALLOY CARAT RATING WITH WHICH USED

Definition: THE CARAT RATING OF THE GOLD ALLOY WITH WHICH THE ITEM IS USED.

Reply Instructions: Enter the rating. (e.g., ARSFA24K*)

ALL *

ARSD	G	CONTENT WITHIN EACH UNIT PACKAGE

Definition: THE AMOUNT OF THE ITEM CONTAINED WITHIN EACH UNIT PACKAGE.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the reply in clear text. (e.g., ARSDG25 TROY OZ*)		

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04987*)

ALL			
	ARRX	G	CHEMICAL COMPOSITION PERCENTAGE

Definition: THE ELEMENT(S) USED IN THE FABRICATION OF THE ITEM, EXPRESSED IN PERCENT.

Reply Instructions: Enter the reply in clear text. (e.g., ARRXGLEAD 65*)

Separate multiple replies with a semicolon. (e.g., ARRXGLEAD 65; BISMUTH 35*)

ALL			
	AGXW	D	PHYSICAL FORM

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXWDBD*; AGXWDAS$DMH*)

REPLY CODE	REPLY (AE98)
CR	BALL
HP	BAR
BD	GRANULAR
MG	INGOT
AH	POWDER
AS	RIBBON
MH	RIBBON FOIL
LC	RING
ME	ROD
CN	STRIP
MF	WIRE

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC ARSG: IF REPLY CODE MF IS ENTERED FOR MRC AGXW, REPLY TO MRC ARSG.

ALL * (See Note Above)

ARSG D WIRE CORE TYPE

Definition: INDICATES THE TYPE OF CORE USED IN THE WIRE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARSGDCF*)

REPLY CODE	REPLY (AG36)
CF	ACID
BW	ROSIN
CG	SOLID

WHEN THE SOURCE DOCUMENT INDICATES A CIRCULAR ITEM, REPLY TO MRCS ABMZ AND ABRY. IF OTHER THAN A CIRCULAR ITEM, REPLY TO MRCS ABRY, ABNM, AND ABGL.

ALL * (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.875*; ABMZJLA22.2*; ABMZJAB0.800$$JAC0.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL * (See Note Preceding MRC ABMZ)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA36.000*; ABRYJLA914.4*; ABRYJAB30.000$$JAC42.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABMZ)

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA0.003*; ABNMJLA0.1*; ABNMJAB0.001$$JAC0.005*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL * (See Note Preceding MRC ABMZ)

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.750*; ABGLJLA19.0*; ABGLJAB0.500$$JAC0.900*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL *

ARSD G CONTENT WITHIN EACH UNIT PACKAGE

Definition: THE AMOUNT OF THE ITEM CONTAINED WITHIN EACH UNIT PACKAGE.

Reply Instructions: Enter the reply in clear text. (e.g., ARSDG5 LB PORM 1 OZ*)

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13697*)

ALL			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA18.000*; ABHPJLA457.2*; ABHPJAB16.000$$JAC20.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	SHPE	D	SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDAND*)

REPLY CODE	REPLY (AD07)
AND	RECTANGULAR

APP Key	MRC	Mode Code	Requirements
	APL		ROUND

NOTE FOR MRCS ADAV, ABMK, AND ADUM: IF REPLY CODE AND IS ENTERED FOR MRC SHPE, A REPLY MUST BE ENTERED FOR MRCS ABMK AND ADUM. IF REPLY CODE APL IS ENTERED FOR MRC SHPE, A REPLY MUST BE ENTERED FOR MRC ADAV.

ALL * (See Note Above)

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA0.500*; ADAVJLA12.7*; ADAVJAB0.300$$JAC0.700*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ADAV)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by numeric value. (e.g., ABMKJAA6.000*; ABMKJLA152.4*; ABMKJAB4.000$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ADAV)

ADUM	J	OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA0.500*; ADUMJLA12.7*; ADUMJAB0.300$$JAC0.700*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15666*)

GA			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDADN*)

REPLY CODE	REPLY (AK54)
ADK	CHUCK
ADL	CLAMP
ADM	CLAMP, SETSCREW
ADN	COLLET
AFK	SPRING
ADP	THREADED

GA			
	ASBW	D	MULTIPLE ELECTRODE SIMULTANEOUS USE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A FEATURE IS INCLUDED TO USE MULTIPLE ELECTRODES SIMULTANEOUSLY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBWDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP
Key MRC Mode Code Requirements

NOTE FOR MRC NMBR: IF REPLY CODE B IS ENTERED FOR MRC ASBW, REPLY TO MRC NMBR.

GA* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*)

ALL

ASBX D ELECTRODE TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF ELECTRODE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBXDAR*)

REPLY CODE	REPLY (AG81)
AP	CARBON GRAPHITE NONFILLER
AQ	COPPER NONFILLER
AR	METALLIC FILLER
AS	TUBULAR
AT	TUNGSTEN NONFILLER

ALL

ASBY J ELECTRODE DIAMETER FOR WHICH DESIGNED

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ELECTRODE FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter the outside diameter of tubular electrodes. (e.g., ASBYJAA0.250*; ASBYJLA6.3*; ASBYJAB0.200$$JAC0.300*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA

ASBZ D REPLACEABLE JAW

Definition: AN INDICATION OF WHETHER OR NOT A REPLACEABLE JAW(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

GA*

ASCA D CONTROL VALVE LOCATION

Definition: INDICATES THE LOCATION OF THE CONTROL VALVE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASCADAHP*)

REPLY CODE	REPLY (AJ91)
AHP	CENTER
AJL	HANDLE

ALL

APHB J OPERATING CURRENT IN AMPS

Definition: THE AMOUNT OF OPERATING CURRENT, EXPRESSED IN AMPERES.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHBJA200.000*; APHBJB150.000$$JC250.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA

AHZV D SUBMERSIBILITY

Definition: AN INDICATION OF WHETHER OR NOT AN ITEM IS CAPABLE OF OPERATION WHILE SUBMERGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHZVDAB*)

REPLY CODE	REPLY (AG86)
AC	NONSUBMERSIBLE
AB	SUBMERSIBLE

GA*

ASCB D INSULATION DEGREE

Definition: THE EXTENT OF THE INSULATION USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASCBDAB*)

REPLY CODE	REPLY (AL70)
AB	FULLY INSULATED
AC	SEMI-INSULATED

GA*

AENK D COOLING METHOD

APP
Key MRC Mode Code Requirements

Definition: THE MEANS OF COOLING USED TO MAINTAIN THE REQUIRED OPERATING TEMPERATURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AENKDH*)

REPLY CODE	REPLY (AC16)
B	FORCED AIR
F	FREE AIR
H	WATER COOLED

GA

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA12.500*; ABHPJLA317.5*; ABHPJAB12.000$$JAC13.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA

ARFZ D POWER CABLE

Definition: AN INDICATION OF WHETHER OR NOT A POWER CABLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARFZDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ABJP, APYN, CXDC, ADVL, AND ASCC: IF REPLY CODE B IS ENTERED FOR MRC ARFZ, REPLY TO MRCS ABJP, APYN, CXDC, ADVL, AND ASCC.

GA* (See Note Above)

ABJP J POWER CABLE LENGTH

Definition: THE LENGTH MEASURED FROM THE ELEMENT TO THE EXTREME END OF THE POWER CABLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABJPJAA120.000*; ABJPJLA3048.0*; ABJPJAB115.000$$JAC125.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA* (See Note Preceding MRC ABJP)

APYN A AWG WIRE SIZE

Definition: THE AMERICAN WIRE GAGE SIZE OF WIRE THE FACILITY FOR ATTACHING A WIRE WILL ACCOMMODATE.

Reply Instructions: Enter the size. (e.g., APYNA18*)

If other than AWG, convert to nearest AWG size.

GA* (See Note Preceding MRC ABJP)

APP Key	MRC	Mode Code	Requirements
	CXDC	J	ROUND CONDUCTOR SIZE

Definition: THE DESIGNATION USED TO DESCRIBE THE ROUND STRANDED OR ROUND SOLID CONDUCTOR SIZE.

Reply Instructions: Enter the applicable Reply Code from the table below and the numeric value. (e.g., CXDCJS16.0*)

REPLY CODE	REPLY (AA44)
G	NOMINAL DIAMETER IN MILLIMETERS
S	SQUARE MILLIMETERS

GA* (See Note Preceding MRC ABJP)

ADVL J CROSS SECTION OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CROSS SECTION, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from tables 1 and 2 followed by the numeric value. (e.g., ADVLJAA3.000*; ADVLJLB2.0$$JLC3.0*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA* (See Note Preceding MRC ABJP)

ASCC A CONNECTOR IDENTIFYING NUMBER

Definition: A NUMBER ASSIGNED TO THE CONNECTOR FOR PURPOSE OF READY IDENTIFICATION.

Reply Instructions: Enter the designator.

APP Key	MRC	Mode Code	Requirements

(e.g., ASCCAMS3106E20-29*)

GA*

CXGN A TERMINAL COMMERCIAL AND GOVERNMENT ENTITY CODE

Definition: THE FIVE-POSITION COMMERCIAL AND GOVERNMENT ENTITY CODE FOR THE MANUFACTURER OF THE TERMINAL.

Reply Instructions: Enter the 5-digit CAGE code from cataloging Handbook H4/H8. (e.g., CXGNA81348*)

GA

ASCD D OXYGEN HOSE ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT AN OXYGEN HOSE ACCOMMODATION IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASCDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS THDS, APJC, AND AAJF: IF REPLY CODE B IS ENTERED FOR MRC ASCD, REPLY TO MRCS THDS, APJC, AND AAJF.

GA* (See Note Above)

THDS J THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4, followed by the thread size.

(e.g., THDSJAN0.250-20*)

GA* (See Note Preceding MRC THDS)

APP Key	MRC	Mode Code	Requirements

APJC D THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APJCDABY*)

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL (male)
ABX	INTERNAL (female)

GA* (See Note Preceding MRC THDS)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDR*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

GA

APHE D OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDCF*)

REPLY CODE	REPLY (AC58)
EL	MACHINE
CF	MANUAL

GA

APP Key	MRC	Mode Code	Requirements
	ASCE	D	SPARE JAW

Definition: AN INDICATION OF WHETHER OR NOT A SPARE JAW(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASCEDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC ASCF: IF REPLY CODE B IS ENTERED FOR MRC ASCE, REPLY TO MRC ASCF.

GA* (See Note Above)

	ASCF	A	SPARE JAW QUANTITY

Definition: THE NUMBER OF SPARE JAWS SUPPLIED.

Reply Instructions: Enter the quantity. (e.g., ASCFA12*)

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED06189*)

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES OF THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDADR*)

REPLY CODE	REPLY (AK54)
ADQ	DRILL
ADR	FILE

ALL			
	ASCG	D	DOUBLE END FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A DOUBLE END FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASCGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL			
	AFYG	D	HANDLE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS FURNISHED WITH A HANDLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFYGDF*)

REPLY CODE	REPLY (AA55)
F	FURNISHED
N	NOT FURNISHED

ALL

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.125*; ABMZJLA3.2*; ABMZJAB0.100$$JAC0.150*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: J

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00207*)

ALL			
	ACDC	D	CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

NOTE FOR MRCS APHA, ASDK, AJSS, AND FAAZ: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS APHA, ASDK, AJSS, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRC APHA.

ALL (See Note Above)			
	APHA	J	OPERATING VOLTAGE IN VOLTS

Definition: THE AMOUNT OF OPERATING VOLTAGE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHAJA110.000*; APHAJB50.000$$JC70.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL * (See Note Preceding MRC APHA)

ASDK J WATTAGE RATING IN WATTS

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASDKJA100.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC APHA)

AJSS J FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AJSSJA60.000*; AJSSJB100.000$$JC120.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC APHA)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDB$DC*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL

ASCH D TIP SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE TIP.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., ASCHDBF*; ASCHDHQ$DHR*)

NOTE FOR MRCS ABMZ AND ABGL: IF THE SOURCE DOCUMENT INDICATES A CIRCULAR SHAPED TIP, REPLY TO MRC ABMZ. FOR OTHER THAN CIRCULAR SHAPES REPLY TO MRC ABGL.

ALL * (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.500*; ABMZJLA12.7*; ABMZJAA0.200$$JAA0.300$$JAA0.400*; ABMZJAB0.200$$JAC0.800*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABMZ)

APP Key	MRC	Mode Code	Requirements
	ABGL	J	WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.750*; ABGLJLA19.0*; ABGLJAB0.550$$JAC0.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL *

ADJH	D	MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDAD*; ADJHDSE$DAD*)

NOTE FOR MRCS AGYV, AAMQ, AND CQQR: IF REPLY CODE AU IS ENTERED FOR MRC ADJH, REPLY TO MRCS AGYV, AAMQ, OR CQQR.

ALL * (See Note Above)

AGYV	J	MOUNTING THREAD DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE THREADED MOUNTING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGYVJAA0.375*; AGYVJLA9.5*; AGYVJAA0.275$$JAA0.475*; AGYVJAB0.275$$JAC0.475*)

Table 1

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC AGYV)

AAMQ A MOUNTING THREADS PER INCH

Definition: THE NUMBER OF THREADS PER INCH ON THE MOUNTING.

Reply Instructions: Enter the screw thread quantity per inch.

(e.g., AAMQA12-1/2*;

AAMQA12-1/2$A13-1/2*)

ALL * (See Note PrecedingMRAC AGYV)

CQQR B THREAD PITCH IN MILLIMETERS

Definition: A MEASUREMENT OF DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT THREADS MEASURED PARALLEL TO THE THREAD AXIS, EXPRESSED IN MILLIMETERS.

Reply Instructions: Enter the numeric value. (e.g., CQQRB1.25*)

ALL

ASDC D TIP REMOVABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE TIP IS REMOVABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDCDC*)

REPLY CODE	REPLY (AC29)
C	NONREMOVABLE
B	REMOVABLE

APP Key	MRC	Mode Code	Requirements

ALL

ANTQ D PLUG TYPE

Definition: INDICATES THE TYPE OF PLUG PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANTQDAD*; ANTQDAD$DAF*)

REPLY CODE	REPLY (AK12)
AD	2-WIRE
AE	2-WIRE BATTERY CLIP
AF	3-WIRE

ALL

ADQF D HANDLE TYPE

Definition: INDICATES THE TYPE OF HANDLE DESIGNED TO BE ATTACHED TO OR THROUGH AN ITEM FOR THE PURPOSE OF OPENING, LIFTING, CLOSING, OR THE LIKE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADQFDAT*; ADQFDAT$DAW*)

REPLY CODE	REPLY (AC55)
AT	CYLINDRICAL
AW	PISTOL GRIP

ALL

ASDE D DUAL HEAT CONTROL

Definition: AN INDICATION OF WHETHER OR NOT A DUAL HEAT CONTROL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDEDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

ALL

ASDF D SPOTLIGHT

Definition: AN INDICATION OF WHETHER OR NOT A SPOTLIGHT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

ASDG D THERMOSTATIC CONTROL

Definition: AN INDICATION OF WHETHER OR NOT A THERMOSTATIC CONTROL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

REPLY TO MRCS ABHP, ADAV, ABMK AND ABKW AS APPLICABLE TO THE ITEM BEING DESCRIBED.

ALL * (See Note Above)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA13.000*; ABHPJLA330.2*; ABHPJAB12.000$$JAC14.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABHP)

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB0.500$$JAC1.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABHP)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB0.800$$JAC1.200*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABHP)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA7.654*; ABKWJLA197.2*; ABKWJAB6.654$$JAC8.654*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL *

AKYD G ACCESSORY COMPONENTS AND QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGCLEANING WIRE, 2*)

NOTE FOR MRC CBBL: IF A REPLY IS NOT REFLECTED ON THE TABLE FOR MRC CBBL, ENTER FEATURE IN REPLY TO MRC FEAT.

ALL *

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., CBBLDCTH*)

REPLY CODE	REPLY (AN47)
AND	ACTUATOR KNOB
BHS	BATTERY
AFC	CIRCUIT PROTECTION FUSE
AJE	DIMMING DEVICE
CEE	FAIL-SAFE FEATURE
CRH	FLOODLIGHT
CQR	HEAVY DUTY
CTH	MOUNTING FACILITY FOR SOLDERING IRON
CKS	POWER TO OUTPUT INDICATOR LIGHT
ANZ	RATED FOR CIRCUIT PROTECTION CAPABILITY
AEE	STATIC ELECTRICITY REDUCING FEATURE
ADY	VISUAL INDICATING THERMOMETER

SECTION: K

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03559*)

KA

AJWK	J	WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJWKJPA0.250*; AJWKJKA0.1*; AJWKJPB0.200$$JPC0.300*)

Table 1

REPLY CODE	REPLY (AB16)
R	GRAMS
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KB

ADQF	D	HANDLE TYPE

Definition: INDICATES THE TYPE OF HANDLE DESIGNED TO BE ATTACHED TO OR THROUGH AN ITEM FOR THE PURPOSE OF OPENING, LIFTING, CLOSING, OR THE LIKE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADQFDAT*; ADQFDAT$DAW*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC55)
AT	CYLINDRICAL
AG	LEVER (if plier-type)
AW	PISTOL GRIP
AR	STRAIGHT (if not cylindrical)

KB

BDXJ D HEATING ELEMENT TYPE

Definition: INDICATES THE TYPE OF HEATING ELEMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDXJDABW*; BDXJDABW$$DABX*; BDXJDABW$DABX*)

REPLY CODE	REPLY (AN01)
ABX	HEAD
ABW	TIP

NOTE FOR MRCS ASCH, ANXM, ASDH, ASDJ, ABHP, ABMK and ABKW: APPLICABILITY KEY KB - IF REPLY CODE ABW IS ENTERED FOR MRC BDXJ, REPLY TO MRCS ASCH, ANXM, ASDH, AND ASDJ. IF REPLY CODE ABX IS ENTERED FOR MRC BDXJ, REPLY TO MRCS ABHP, ABMK, AND ABKW.

KA,KB*,KC (See Note Above)

ASCH D TIP SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE TIP.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., ASCHDBF*; ASCHDBK$$DJT*; ASCHDBK$DJT*)

KA,KB* (See Note Preceding MRC ASCH)

ANXM A TIP QUANTITY

Definition: THE NUMBER OF TIPS PROVIDED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANXMA6*)

KA,KB* (See Note Preceding MRC ASCH)

APP Key	MRC	Mode Code	Requirements
	ASDH	D	TIP MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE TIP.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ASDHDGK*; ASDHDSE$$DSF*; ASDHDSE$DSF*)

KA,KB*,KC (See Note Preceding MRC ASCH)

	ASDJ	G	TIP SIZE

Definition: A STANDARD OF MEASUREMENT, EXPRESSED AS A DIMENSION OR NUMERIC VALUE, FOR DESIGNATING THE SIZE OF THE TIP.

Reply Instructions: Enter the reply in clear text. (e.g., ASDJG5/8 IN. W BY 1/16 IN. THK*)

Separate multiple replies with a semicolon. (e.g., ASDJG5/8 IN. W BY 1/16 IN. THK; 7/8 IN. W BY 1/16 IN. THK*)

KB* (See Note Preceding MRC ASCH)

	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.500*; ABHPJLA38.1*; ABHPJAB1.000$$JAC1.500*)

If the tool has multiple heads of different sizes use AND ($$) Coding, entering replies in ascending sequence. (e.g., ABHPJAB1.500$$JAC1.550*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

KB* (See Note Preceding MRC ASCH)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA0.500*; ABMKJLA12.7*; ABMKJAB0.200$$JAC0.250*;)

If the tool has multiple heads of different sizes, use AND ($$), entering replies in ascending sequence. (e.g., ABMKJAB0.275$$JAC0.300$$JAB0.200$$JAC0.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KB* (See Note Preceding MRC ASCH)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA3.563*; ABKWJLA90.5*; ABKWJAB3.500$$JAC3.625*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KA,KB

ASDG D THERMOSTATIC CONTROL

Definition: AN INDICATION OF WHETHER OR NOT A THERMOSTATIC CONTROL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

KA,KB

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

KA,KB

APP Key	MRC	Mode Code	Requirements
	APHA	J	OPERATING VOLTAGE IN VOLTS

Definition: THE AMOUNT OF OPERATING VOLTAGE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHAJA110.000*; APHAJB100.000$$JC120.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KA,KB

	ASDK	J	WATTAGE RATING IN WATTS

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASDKJA75.000*; ASDKJB70.000$$JC80.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KA,KB

	AFKF	D	TRANSFORMER

Definition: AN INDICATION OF WHETHER OR NOT A TRANSFORMER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFKFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

KC

CXBY D VACUUM GENERATING METHOD

Definition: THE MEANS BY WHICH THE VACUUM IS GENERATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CXBYDBH*)

REPLY CODE	REPLY (AE36)
MZ	HOSE WITH VACUUM PUMP
NA	RUBBER BELLOWS (aspirator ball)
BH	SPRING LOADED PLUNGER

KC

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDBTX*)

REPLY CODE	REPLY (AM39)
ADG	BAYONET
AEC	CLINCH NUT
BTX	COUPLING NUT
AZJ	INSERT
AAF	SETSCREW
AET	THREADED STUD

KA,KB

AFJU D CARRYING CASE

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IN NORMAL OPERABLE CONDITION IS PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJUDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRC ADTV: IF REPLY CODE B IS ENTERED FOR MRC AFJU, REPLY TO MRC ADTV.

KA*, KB* (See Note Above)

ADTV D CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ADTVDWD0000*; ADTVDALC000$$DAL0000*; ADTVDALC000$DAL0000*)

ALL *

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGCURVED DESOLDERING TIP 1, STRAIGHT DESOLDERING TIP EXTENSION 1, CLEANING WIRE 2*)

NOTE FOR MRC CBBL: IF A REPLY IS NOT REFLECTED ON THE TABLE FOR MRC CBBL, ENTER FEATURE IN REPLY TO MRC FEAT.

ALL * (See Note Above)

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., CBBLDCTH*)

APP Key	MRC	Mode Code	Requirements
		REPLY CODE	REPLY (AN47)
		AND	ACTUATOR KNOB
		BHS	BATTERY
		AFC	CIRCUIT PROTECTION FUSE
		DUJ	DUAL HEAT CONTROL
		CEE	FAIL-SAFE FEATURE
		CRH	FLOODLIGHT
		CQR	HEAVY DUTY
		CTH	MOUNTING FACILITY FOR SOLDERING IRON
		CKS	POWER TO OUTPUT INDICATOR LIGHT
		ANZ	RATED FOR CIRCUIT PROTECTION CAPABILITY
		AEE	STATIC ELECTRICITY REDUCING FEATURE
		ADY	VISUAL INDICATING THERMOMETER

SECTION: L

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03553*)		
ALL			
	ASCH	D	TIP SHAPE
	Definition: THE PHYSICAL CONFIGURATION OF THE TIP.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., ASCHDBF*; ASCHDHQ$$DAC*)		
ALL *			
	AQQT	D	TIP MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE TIP IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AQQTDCU0000*; AQQTDPC0000$$DPCW000*; AQQTDPC0000$DPCW000*)		
ALL			
	ASDJ	G	TIP SIZE
	Definition: A STANDARD OF MEASUREMENT, EXPRESSED AS A DIMENSION OR NUMERIC VALUE, FOR DESIGNATING THE SIZE OF THE TIP.		
	Reply Instructions: Enter the reply in clear text. (e.g., ASDJG2 LB WT PER SINGLE IRON*)		
	Separate multiple replies with a semicolon. (e.g., ASDJG1/8 IN. DIA SIZE; 1/4 IN. DIA SIZE*)		
ALL			
	AFYG	D	HANDLE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS FURNISHED WITH A HANDLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFYGDF*)

REPLY CODE	REPLY (AA55)
F	FURNISHED
N	NOT FURNISHED

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA10.500*; ABHPJLA266.7*; ABHPJAB10.000$$JAC11.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ASDL D HEATING CARTRIDGE PROVISION

Definition: AN INDICATION OF WHETHER OR NOT A PROVISION FOR A HEATING CARTRIDGE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDLDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ASFG, AFSE, AND ANXX: IF REPLY CODE B IS ENTERED FOR MRC ASDL, REPLY TO MRCS ASFG, AFSE, AND ANXX.

ALL * (See Note Above)

ASFG J CARTRIDGE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A CARTRIDGE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASFGJAA1.906*; ASFGJLA48.5*; ASFGJAB1.900$$JAC1.912*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ASFG)

AFSE J CARTRIDGE OVERALL DIAMETER

Definition: THE OVERALL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CARTRIDGE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFSEJAA0.750*; AFSEJLA19.0*; AFSEJAB0.500$$JAC0.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ASFG)

ANXX D CARTRIDGE

Definition: AN INDICATION OF WHETHER OR NOT A CARTRIDGE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANXXDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AFJU D CARRYING CASE

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IN NORMAL OPERABLE CONDITION IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJUDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

SECTION: M

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED21030*)

ALL			
	ASBX	D	ELECTRODE TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF ELECTRODE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBXDAW*)

REPLY CODE	REPLY (AG81)
AW	DOUBLE
AX	SINGLE

ALL			
	AMPK	D	ELECTRODE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ELECTRODE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AMPKDCA0000*; AMPKDCAE000$$DCTA000*; AMPKDCAE000$DCTA000*)

ALL			
	ASBY	J	ELECTRODE DIAMETER FOR WHICH DESIGNED

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ELECTRODE FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASBYJAA0.500*; ASBYJLA12.7*; ASBYJAB0.300$$JAC0.700*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ASDK J WATTAGE RATING IN WATTS

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASDKJA900.000*; ASDKJB800.000$$JC900.500*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ASFH J LEAD LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A LEAD, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASFHJAA60.000*; ASFHJLA1524.0*; ASFHJAB55.000$$JAC65.000*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: N

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13971)

ALL			
	ACDC	D	CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

NOTE FOR MRCS ANPK, AJSS, ASDK, AND ANPP: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS ANPK, AJSS, ASDK, AND ANPP.

ALL * (See Note Above)			
	ANPK	J	INPUT VOLTAGE RATING IN VOLTS

Definition: THE INPUT VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANPKJA110.000*; ANPKJB100.000$$JC120.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL * (See Note Preceding MRC ANPK)

AJSS J FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AJSSJA60.000*; AJSSJB50.000$$JC70.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ANPK)

ASDK J WATTAGE RATING IN WATTS

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASDKJA100.000*; ASDKJB75.000$$JC125.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ANPK)

ANPP J OUTPUT VOLTAGE RATING IN VOLTS

Definition: THE OUTPUT VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN VOLTS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANPPJA6.000*; ANPPJB4.000$$JC8.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ASFJ	D	JACK/PLUG TIP CONNECTION FOR SECONDARY LEAD

Definition: AN INDICATION OF WHETHER OR NOT A JACK AND/OR PLUG TIP CONNECTION(S) FOR SECONDARY LEAD(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASFJDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ASFK AND ASFL: IF REPLY CODE B IS ENTERED FOR MRC ASFJ, REPLY TO MRCS ASFK AND ASFL.

ALL * (See Note Above)

ASFK	A	BRASS ELECTRODE OUTLET QUANTITY

Definition: THE NUMBER OF OUTLETS IN THE BRASS ELECTRODE.

Reply Instructions: Enter the quantity. (e.g., ASFKA4*)

ALL * (See Note Preceding MRC ASFK)

ASFL	A	CARBON ELECTRODE OUTLET QUANTITY

Definition: THE NUMBER OF OUTLETS IN THE CARBON ELECTRODE.

Reply Instructions: Enter the quantity. (e.g., ASFLA2*)

APP Key	MRC	Mode Code	Requirements
ALL			
	ASFM	D	HEAT CONTROL SWITCH

Definition: AN INDICATION OF WHETHER OR NOT A HEAT CONTROL SWITCH IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASFMDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AFTM: IF REPLY CODE B IS ENTERED FOR MRC ASFM, REPLY TO MRC AFTM.

ALL * (See Note Above)

	AFTM	A	SWITCH POSITION QUANTITY

Definition: THE TOTAL NUMBER OF INDEXED POSITIONS TO WHICH THE SWITCH ACTUATOR MAY BE MOVED.

Reply Instructions: Enter the quantity. (e.g., AFTMA5*)

ALL *

	AJKC	G	SUPPLY ITEMS AND QUANTITIES

Definition: A LISTING OF THOSE MAJOR COMPONENTS WHICH ARE COMPRISED OF A NATIONAL STOCK NUMBER, AN ITEM NAME, STANDARDIZED NAME, OR PART NAME, AND THE NUMBER OF EACH.

Reply Instructions: Enter the reply in clear text.

(e.g., AJKCG3439-00-123-4567 SWITCH, FOOT, ELECTRICAL 1*)

Separate multiple replies with a semicolon

(e.g., AJKCG3439-00-123-4567 SOLDERING PLIERS, ELECTRIC 1;

3439-00-456-7890 SOLDERING FORK, ELECTRIC 1*)

ALL *

APP Key	MRC	Mode Code	Requirements
	AJKD	G	NONSUPPLY ITEMS AND QUANTITIES

Definition: A LISTING OF THOSE MAJOR COMPONENTS, OUTSIDE THE SCOPE OF AN ITEM OF SUPPLY TO BE CATALOGED, AS INDICATED BY THE NAME OF THE MANUFACTURER, AND THE NAME AND NUMBER OF THE ITEM AS INDICATED BY THE MANUFACTURER, AND THE NUMBER IDENTIFIED.

Reply Instructions: Enter the reply in clear text. (e.g., AJKDGIDEAL INDUSTRIES, 563, CARBON ELECTRODES, 4 PR*)

Separate multiple replies with a semicolon

(e.g., AJKDGCROUSE-HINDS CPP6752/400/ CONNECTOR, PLUG, ELECTRICAL 1;

IDEAL INDUSTRIES, J-45, TRANSFORMER, 440V, 1*)

SECTION: P

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED05634*)

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDADS*)

REPLY CODE	REPLY (AK54)
ADS	CAGE
ADT	OPEN CRADLE
AFK	SPRING

ALL			
	ASDG	D	THERMOSTATIC CONTROL

Definition: AN INDICATION OF WHETHER OR NOT A THERMOSTATIC CONTROL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASDGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ASFN, ACDC, AND APHA: IF REPLY CODE B IS ENTERED FOR MRC ASDG, REPLY TO MRCS ASFN, ACDC, AND APHA.

APP Key	MRC	Mode Code	Requirements

ALL * (See Note Above)

ASFN B IRON FOR WHICH DESIGNED MAXIMUM WATTAGE RATING IN WATTS

Definition: THE MAXIMUM RATED POWER THAT THE IRON FOR WHICH THE ITEM IS DESIGNED CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the numeric value. (e.g., ASFNB660.000*)

ALL * (See Note Preceding MRC ASFN)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL * (See Note Preceding MRC ASFN)

APHA J OPERATING VOLTAGE IN VOLTS

Definition: THE AMOUNT OF OPERATING VOLTAGE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHAJA110.000*; APHAJB100.000$$JC120.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL *

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA203.2*; ABHPJAB6.000$$JAC9.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL *

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA4.000*; ADAVJLA101.6*; ADAVJAB3.000$$JAC5.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL *

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA3.000*; ABMKJLA76.2*; ABMKJAB2.000$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL *

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA3.000*; ABKWJLA76.2*; ABKWJAB1.000$$JAC5.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL			
	ASFP	D	HOLDING DEVICE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HOLDING DEVICE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ASFPDST0000*; ASFPDPC0000$$DPCW000*; ASFPDPC0000$DPCW000*)

ALL

AESH	D	BASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE BASE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AESHDPC0000*; AESHDPCAAL0$$DPCAG00*; AESHDPCAAL0$DPCAG00*)

ALL

ASFQ	D	TIP CLEANER CUP

Definition: AN INDICATION OF WHETHER OR NOT A TIP CLEANER CUP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASFQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: Q

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED28145*)

QA

ANFG	D	TIP TYPE

Definition: INDICATES THE TYPE OF TIP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANFGDAAZ*)

REPLY CODE	REPLY (AJ55)
A	ANY ACCEPTABLE
AAZ	BENT
ABA	DESOLDERING
ABB	SOLDER MELTING POT
ABC	STRAIGHT

NOTE FOR MRC ASFR: IF REPLY CODE ABB IS ENTERED FOR MRC ANFG, REPLY TO MRC ASFR.

QA* (See Note Above)

ASFR	J	SOLDER MELTING POT CAPACITY

Definition: THE RATED CAPACITY OF THE SOLDER MELTING POT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASFRJU2.0*; ASFRJR62.2*)

REPLY CODE	REPLY (AB16)
R	GRAMS
U	OUNCES

APP Key	MRC	Mode Code	Requirements
ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDCU0000*; MATLDALC000$$DAL0000*; MATLDALC000$DAL0000*)

QA*			
	SURF	D	SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., SURFDFE0000*; SURFDCR0000$$DCRA000*; SURFDCR0000$DCRA000*)

QA*			
	ABJH	J	TEMP RATING

Definition: A VALUE WHICH EXPRESSES THE DEGREE OF HEAT OR COLD AS APPLIED TO THE OPERATION, OR LIMITATION OF OPERATION, OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. If the source document indicates a value below zero degrees, precede the entered value with the letter M (minus). (e.g., ABJHJCM50.0$$JC300.0*; ABJHJF100.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

QA			
	AAQL	L	BODY STYLE

APP Key	MRC	Mode Code	Requirements

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE BODY.

Reply Instructions: Enter the group designator and applicable style number from Appendix B , Reference Drawing Group A. (e.g., AAQLLA4*)

QA

ASFS D TIPLET ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A TIPLET ACCOMMODATION IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASFSDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ASFT AND ASFW: IF REPLY CODE B IS ENTERED FOR MRC ASFS, REPLY TO MRC ASFT. IF REPLY CODE C IS ENTERED FOR MRC ASFS, REPLY TO MRC ASFW.

QA* (See Note Above)

ASFT J TIPLET DIAMETER FOR WHICH DESIGNED

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TIPLET FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASFTJAA0.125*; ASFTJLA3.2*; ASFTJAB0.075$$JAC0.200*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

QA* (See Note Preceding MRC ASFT)

ASFW L TIP END STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE TIP END.

Reply Instructions: Enter the group designator and applicable style number from Appendix B , Reference Drawing Group B. (e.g., ASFWLB2*)

QA

AQEF D INTEGRAL HEATING ELEMENT

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL HEATING ELEMENT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEFDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ACDC, APHA, AND ASDK: IF REPLY CODE B IS ENTERED FOR MRC AQEF, REPLY TO MRCS ACDC, APHA, AND ASDK.

QA* (See Note Above)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC

APP Key	MRC	Mode Code	Requirements
		C	DC

QA* (See Note Preceding MRC ACDC)

APHA J OPERATING VOLTAGE IN VOLTS

Definition: AN INDICATION OF THE AMOUNT OF OPERATING VOLTAGE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHAJA110.000*; APHAJB100.000$$JC120.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

QA* (See Note Preceding MRC ACDC)

ASDK J WATTAGE RATING IN WATTS

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASDKJA150.000*; ASDKJB140.000$$JC160.000*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

QB

ARSB D WELDING PROCESS FOR WHICH DESIGNED

Definition: THE TYPE OF WELD FOR WHICH THE ITEM IS DESIGNED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ARSBDAAC**; ARSBDAAC$$DAAD*; ARSBDAAC$DAAD*)

QB*

ARRQ A COMMERCIAL SIZE

Definition: THE SIZE BY WHICH THE ITEM IS COMMERCIALLY RECOGNIZED.

Reply Instructions: Enter the size. (e.g., ARRQA10*)

QB*

AAXL J DISCHARGE FLOW RATE

Definition: THE RATED CAPACITY OF GAS DELIVERED BY THE LAST STAGE OF COMPRESSION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAXLJM50.0*)

REPLY CODE	REPLY (AC64)
M	GALLONS PER MINUTE
D	LITERS PER HOUR

ALL *

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDEF*)

NOTE FOR MRCS THDS, APJC AND ABUJ: IF REPLY CODE AU, AAK OR GZ IS ENTERED FOR MRC ADJH, REPLY TO MRCS THDS, APJC AND ABUJ.

QB* (See Note Above)

THDS J THREAD SIZE AND SERIES/TYPE DESIGNATOR

APP Key	MRC	Mode Code	Requirements

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4, followed by the thread size.

(e.g., THDSJAN0.250-20*)

QB* (See Note Above Preceding MRC THDS)

APJC D THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APJCDABY*)

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL
ABX	INTERNAL

QB* (See Note Preceding MRC THDS)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the size.

(e.g., ABUJA0.250-18*)

QB*

STYL L STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the style designator from Appendix B , Reference Drawing Group C. (e.g., STYLLC1*)

SECTION: R

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15657*)

ALL			
	ASCH	D	TIP SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE TIP.

Reply instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., ASCHDBK*)

NOTE FOR MRCS ABHP, ABGL, AND ABMZ: IF REPLY CODE HY IS ENTERED FOR MRC ASCH, REPLY TO MRCS ABHP, ABGL, AND ABMZ. IF REPLY CODE BK IS ENTERED FOR MRC ASCH, REPLY TO MRCS ABHP AND ABMZ.

ALL * (See Note Above)			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA3.125*; ABHPJLA79.4*; ABHPJAB2.075$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL * (See Note Preceding MRC ABHP)

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the dimension measured from center to center of the ends that fit into the gun. (e.g., ABGLJAA1.125*; ABGLJLA28.6*; ABGLJAB1.000$$JAC1.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL * (See Note Preceding MRC ABHP)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the diameter at the end(s) of the tip that fits into the gun. (e.g., ABMZJAA0.125*; ABMZJLA3.2*; ABMZJAB0.100$$JAC0.150*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM
RB*			
	ASDJ	G	TIP SIZE
	Definition: A STANDARD OF MEASUREMENT, EXPRESSED AS A DIMENSION OR NUMERIC VALUE, FOR DESIGNATING THE SIZE OF THE TIP.		
	Reply Instructions: Enter the reply in clear text. (e.g., ASDJG1/8 IN. DIA SIZE*; ASDJG3 MM DIA*)		
RA			
	AQEF	D	INTEGRAL HEATING ELEMENT
	Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL HEATING ELEMENT IS INCLUDED.		
	Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEFDC*)		

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDCU0000*; MATLDCM0000$$DCMA000*; MATLDCM0000$DCMA000*)		
RA*			
	SURF	D	SURFACE TREATMENT

APP Key	MRC	Mode Code	Requirements

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., SURFDFE0000*; SURFDCU0000$$DCUAH00*; SURFDCU0000$DCUAH00*)

ALL *

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDAD*)

RA,RB*

ABCH D POINT SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE POINT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., ABCHDBF*)

ALL *

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGCLEANING WIRE, 2*)

SECTION: S

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information. (e.g., NAMED07569*)		
SA,SB,SC			
	ARBH	D	MATERIAL FOR WHICH FORMULATED
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE FOR WHICH THE ITEM IS FORMULATED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ARBHDCU0000*; ARBHDALC000$$DBR0000*; ARBHDALC000$DBR0000*)		
SA*			
	AWRD	G	SPECIFIC METAL FOR WHICH FORMULATED
	Definition: THE METAL FOR WHICH THE ITEM IS FORMULATED.		
	Reply Instructions: Enter the reply in clear text. (e.g., AWRDGALL EXCEPT ALUMINUM*)		
	Separate multiple replies with a semicolon. (e.g., AWRDGALL EXCEPT ALUMINUM; STAINLESS STEEL*)		
SD,SE			
	AMSP	D	BASIC MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE BASIC MATERIAL IS FABRICATED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AMSPDNFF000*; AMSPDALC000$$DAL0000; AMSPDALC000$DAL0000*)		
SA,SB,SC			
	AGXW	D	PHYSICAL FORM

APP Key	MRC	Mode Code	Requirements

Definition: THE RECOGNIZED SHAPE, CONFIGURATION, STRUCTURE, OR MOLD OF A SUBSTANCE, NATURAL OR REFINED, THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXWDAR*)

REPLY CODE	REPLY (AE98)
BD	GRANULAR
AN	LIQUID
AR	PASTE
AH	POWDER
AU	STICK

SB*

AHVZ A MESH SIZE

Definition: THE ALPHA AND/OR NUMERIC SIZE DESIGNATION BY WHICH THE MESH IS IDENTIFIED.

Reply Instructions: Enter the mesh size. (e.g., AHVZA20 TO D*)

SA*,SE*

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADZCDAA*; ADZCDAA$$DGK*; ADZCDAA$DGK*)

REPLY CODE	REPLY (AA65)
AA	ABRASION RESISTANT
GK	CORROSION RESISTANT
ES	OXIDATION RESISTANT

SB

ARSB D WELDING PROCESS FOR WHICH DESIGNED

APP Key	MRC	Mode Code	Requirements

Definition: THE TYPE OF WELD FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ARSBDAAC*; ARSBDAAC$$DAAD*; ARSBDAAC$DAAD*)

ALL *

ARSD G CONTENT WITHIN EACH UNIT PACKAGE

Definition: THE AMOUNT OF THE ITEM CONTAINED WITHIN EACH UNIT PACKAGE.

Reply Instructions: Enter the reply in clear text. (e.g., ARSDG5 LB*)

SECTION: T

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00443*)		
ALL			
	STYL	L	STYLE DESIGNATOR
	Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.		
	Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group D. (e.g., STYLLD1*)		
NOTE FOR MRCS MATL AND SURF: IF A PRECIOUS MATERIAL, GOLD, RHODIUM, SILVER, OR THE LIKE, IS ENTERED FOR MRCS MATL AND/OR SURF, REPLY TO MRCS PRMT THROUGH PMLC AS APPLICABLE IN SECTION III.			
ALL * (See Note Above)			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDCU0000*; MATLDALC000$$DAL0000*; MATLDALC000$DAL0000*)		
ALL *			
	MDCL	J	MATERIAL DOCUMENT AND CLASSIFICATION
	Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURES REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS CLASS, CONDITION, TEMPER, AND THE LIKE, THAT IDENTIFIES THE MATERIAL.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable I/SAC from Appendix A , Table 8, followed by the applicable Reply Codes from Tables 1 and 2 below, followed by the document designator and classification.

(e.g., MDCL1AJBAQQ-A-200*;

MDCL1BJBBQQ-C-502$$JBCQQ-C-521*;

MDCL1BJBBQQ-C-502$JBCQQ-C-521*;

MDCL1BJBAQQ-C-502*;

MDCL1CJBAQQ-C-521*;

MDCL1DJFA4921, CAGE 72914*)

Table 1

REPLY CODE	REPLY (AP33)
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF
D	MIL SPEC
E	MIL STD

Table 2

REPLY CODE	REPLY (AP18)
G	ALL MATERIAL RESPONSES (use only when all material is controlled by the same document and classifications are identical)
A	SINGLE MATERIAL RESPONSE
B	1ST MATERIAL RESPONSE
C	2ND MATERIAL RESPONSE
D	3RD MATERIAL RESPONSE
E	4TH MATERIAL RESPONSE
F	5TH MATERIAL RESPONSE

ALL * (See Note Preceding MRC MATL)

SURF	D	SURFACE TREATMENT

APP Key	MRC	Mode Code	Requirements

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD CHEMICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., SURFDFE0000*; SURFDCR0000$$DCRA000*; SURFDCR0000$DCRA000*)

ALL *

STDC J SURFACE TREATMENT DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURES REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS TYPE, CLASS, GRADE, AND THE LIKE, THAT IDENTIFIES THE SURFACE TREATMENT MATERIAL.

Reply Instructions: Enter the applicable I/SAC from Appendix A , Table 8, followed by the applicable Reply Codes from Tables 1 and 2 below, and followed by the document designator and classification.

(e.g., STDC1AJDAMIL-S-13282*;

STDC1BJDBMIL-G-45204$$JDCMIL-S-13282*;

STDC1BJDBMIL-G-45204$DCMIL-S-13282*;

STDC1BJDAMIL-S-13282*;

STDC1CJFA56021, CAGE 88750*)

Table 1

REPLY CODE	REPLY (AP33)
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF
D	MIL SPEC
E	MIL STD

Table 2

REPLY CODE	REPLY (AP39)
G	ALL TREATMENT RESPONSES (use only when all treatment is controlled by the same document and

APP Key	MRC	Mode Code	Requirements
			classifications are identical)
		A	SINGLE TREATMENT RESPONSE
		B	1ST TREATMENT RESPONSE
		C	2ND TREATMENT RESPONSE
		D	3RD TREATMENT RESPONSE
		E	4TH TREATMENT RESPONSE
		F	5TH TREATMENT RESPONSE

ALL *

APYN A AWG WIRE SIZE

Definition: THE AMERICAN WIRE GAGE SIZE OF WIRE THE FACILITY FOR ATTACHING A WIRE WILL ACCOMMODATE.

Reply Instructions: Enter the size. (e.g., APYNA18*)

If other than AWG, convert to nearest AWG size.

TA*

CXDC J ROUND CONDUCTOR SIZE

Definition: THE DESIGNATION USED TO DESCRIBE THE ROUND STRANDED OR ROUND SOLID CONDUCTOR SIZE.

Reply Instructions: Enter the applicable Reply Code from the table below and the numeric value. (e.g., CXDCJS16.0*)

REPLY CODE	REPLY (AA44)
G	NOMINAL DIAMETER IN MILLIMETERS
S	SQUARE MILLIMETERS

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL *	(See Note Preceding MRC CBBL)		
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL * (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.0*; AFJKJC4.0*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

	PRMT	D	PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

	PMWT	J	PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

APP Key	MRC	Mode Code	Requirements
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
			Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.
			Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)
ALL			
	AGAV	G	END ITEM IDENTIFICATION
			Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.
			Reply Instructions: Enter the reply in clear text.
			(e.g., AGAVG3930-00-000-0000*;
			AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12 TYPE A*)
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
			Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.
			Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) code, followed by a dash and the identifying number of the document.
			(e.g., ZZZPJ81337-30624A*)
ALL			
	ZZZV	G	FSC APPLICATION DATA
			Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

APP Key	MRC	Mode Code	Requirements
			Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)
ALL			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.
			Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
BS0000	ALUMINA
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
A	ANY ACCEPTABLE
BCF000	BERYLCO
BCD000	BERYLLIUM
BR0000	BRASS
BN0000	BRONZE
CVC000	CALCIUM
KAA000	CARBIDE, CHROMIUM
CA0000	CARBON
CTA000	CARBON GRAPHITE
CAE000	CARBON, SOFT
CJ0000	CERAMIC
MET000	CERIUM
CR0000	CHROMIUM
CR0092	CHROMIUM-NICKEL STEEL, MIL-E-19933, TYPE MIL-308
CR0093	CHROMIUM-NICKEL STEEL, MIL-E-19933, TYPE MIL-308L
CR0096	CHROMIUM-NICKEL STEEL, MIL-E-19933, TYPE MIL-310
CR0094	CHROMIUM-NICKEL STEEL, MIL-E-19933, TYPE MIL-316
CR0095	CHROMIUM-NICKEL STEEL, MIL-E-19933, TYPE MIL-347
CM0000	COBALT
CMA000	COBALT ALLOY
CU0000	COPPER
CK0000	COPPER ALLOY
CK0612	COPPER ALLOY, MIL-R-19631, TYPE MIL-RCUNI-CANCELLED
CK0613	COPPER ALLOY, MIL-R-19631, TYPE MIL-RCUSI-A-CANCELLED
CK0614	COPPER ALLOY, MIL-R-19631, TYPE MIL-RCUSN-A-CANCELLED
CK0615	COPPER ALLOY, MIL-R-19631, TYPE MIL-RCUZN-B-CANCELLED
CKB000	COPPER ALLOY W/O ALUMINUM OR NICKEL
KBC000	COPPER BASE ALLOY WITH OVER 15 PCT NICKEL
	Copper, Iron Clad (Use Reply Codes CU0000$$FE0000)
	Copper Plated (Use REPLY CODE CU0000)
	Copper, Soft (Use REPLY CODE CU0000)
	Fiber (Use specific material)
GSAK00	GLASS EPOXY, LAMINATED
AU0000	GOLD
GP0000	GRAPHITE
FE0000	IRON
FEA000	IRON, CAST
FEC000	IRON, MALLEABLE
FEAR00	IRON POWDER, HYDROGEN-REDUCED
PB0000	LEAD

REPLY CODE	REPLY (AD09)
PBD000	LEAD ALLOY
PBL000	LEAD SILVER
PBE000	LEAD TIN ALLOY
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
MNA000	MANGANESE BRONZE
	Metal (Use Specific Material)
MA0000	MOLYBDENUM
NF0000	NICKEL
NFF000	NICKEL ALLOY
NF0448	NICKEL ALLOY, MIL-E-21562, TYPE MIL-EN67
NF0446	NICKEL ALLOY, MIL-E-21562, TYPE MIL-RN6A
NF0447	NICKEL ALLOY, MIL-E-21562, TYPE MIL-RN60
NF0445	NICKEL ALLOY, MIL-E-21562, TYPE MIL-RN67
NFAH00	NICKEL BASE NON-FERROUS ALLOYS
NFH000	NICKEL-CHROMIUM ALLOY
NFJ000	NICKEL-CHROMIUM-IRON ALLOY
NC0000	NICKEL COPPER ALLOY
PZ0000	PHOSPHOR BRONZE
PC0000	PLASTIC
PCAAL0	PLASTIC, PHENOL-FORMALDEHYDE
PCW000	PLASTIC, PHENOLIC
PCAG00	PLASTIC, POLYSTYRENE
PT0000	PLATINUM
PL0000	POLYAMIDE NYLON
BH0000	PORCELAIN
RC0000	RUBBER
RT0000	RUTHENIUM
AG0000	SILVER
AGD000	SILVER ALLOY
AGZ000	SILVER COPPER
SJH000	SOLDER, SILVER
ST0000	STEEL
STAABC	STEEL, ALLOY
ST1052	STEEL, CARBON
STB000	STEEL, CORROSION RESISTING
	Steel, Stainless (Use REPLY CODE STB000)
MEW000	STRONTIUM
SN0000	TIN
SNP000	TIN ALLOY
SNQ000	TIN-ANTIMONY ALLOY
SNR000	TIN-LEAD-SILVER
TTA000	TITANIUM
TN0000	TUNGSTEN
TNB000	TUNGSTEN ALLOY
TNA000	TUNGSTEN CARBIDE
TNG000	TUNGSTEN, THORIATED
TNH000	TUNGSTEN, ZIRCONIUM

REPLY CODE	REPLY (AD09)
WD0000	WOOD
ZN0000	ZINC
ZNL000	ZINC ALLOY
ZNAAH0	ZINC CHLORIDE
ZRA000	ZIRCONIUM SILICATE

Table 2 - CUTTING/WELDING PROCESSES

CUTTING/WELDING PROCESSES

REPLY CODE	REPLY (AL66)
AAB	ACETYLENE
A	ANY ACCEPTABLE
AAC	ARC
ABD	ATOMIC HYDROGEN
AAD	BRAZE
AAE	CARBON ARC
AAF	CARBON ARC INERT GAS
AAG	CARBON TUNGSTEN ARC
AAH	ELECTRIC ARC
ABC	FORGE
AAJ	GAS
AAK	GAS ARC
AAL	GAS METAL ARC
AAM	GAS SHIELDED ARC
AAN	GAS TUNGSTEN ARC
AAP	HELIARC
AAQ	INERT GAS ARC
AAR	INERT GAS METAL ARC
AAS	INERT GAS SHIELDED ARC
ABE	INERT GAS TUNGSTEN ARC
AAT	METAL ARC
AAY	OXYACETE GAS
AAW	OXYACETYLENE
AAX	OXYACETYLENE TORCH
ABF	SHIELDED CARBON ARC
AAZ	SUBMERGED ARC
ABA	TORCH
ABB	TUNGSTEN ARC

Table 3 - SURFACE TREATMENTS

SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
BP0000	BRIGHT ALLOY PLATED
CDR000	CADMIUM PLATED

REPLY CODE	REPLY (AD09)
CAD000	CARBON COATED
CAF000	CARBON FILM
CN0000	CHROMATE
CH0000	CHROME
CR0000	CHROMIUM
	Chromium Plated (Use REPLY CODE CR0000)
	Clean (Invalid for Surface Treatment)
CU0000	COPPER
	Copper Coated (Use REPLY CODE CU0000)
	Copper Plated (Use REPLY CODE CU0000)
AU0000	GOLD
ZZP000	GROUND
MM0000	IMMUNIZED
FE0000	IRON
	Iron Alloy (Use REPLY CODE FE0000)
	Iron Clad (Use REPLY CODE FE0000)
	Iron Plating (Use REPLY CODE FE0000)
NF0000	NICKEL
	Nickel-Chromium Alloy (Use Reply Codes CR0000 and NF0000)
	Nickel Plated (Use REPLY CODE NF0000)
XDA000	OXIDATION RESISTANT
XD0000	OXIDIZED
BLA000	PARKERIZED
PS0000	PASSIVATED
PCAAAL	PLASTIC, TETRAFLUOROETHYLENE
AG0000	SILVER
	Silver Plated (Use REPLY CODE AG0000)
SN0000	TIN
	Tin Plated (Use REPLY CODE SN0000)
TNG000	TUNGSTEN, THORIATED

Table 4 - THREAD SERIES

THREAD SERIES

REPLY CODE	REPLY (AH06)
AN	ANPT
BA	BA
BF	BSF
BP	BSP.TR
BW	BSW
SM	ISO M
SS	ISO S
SP	NPS
SF	NPSF
PS	NPSI
NP	NPT
NT	NPTF

REPLY CODE	REPLY (AH06)
UN	UN
NC	UNC
NE	UNEF
NF	UNF
NJ	UNJ
JC	UNJC
JE	UNJEF
JF	UNJF
NS	UNS

Table 5 - TIP SHAPES

TIP SHAPES

REPLY CODE	REPLY (AD07)
A	ANY ACCEPTABLE
HQ	BENT PENCIL
HR	BENT PYRAMID
AC	BEVELED
HS	BLUNT TAPER
CH	CHISEL
CN	CONICAL
HT	DOUBLE BEVELED CHISEL
FL	FLAT
HW	HOOK
HX	LONG TAPER CHISEL
HY	LOOP
HZ	LOOP WITH CHISEL POINT
JA	NO. 0 STRAIGHT
JB	NO. 1 WEDGE
JC	NO. 2 CHISEL
JD	NO. 3 90 DEG
JE	OFFSET PENCIL
JF	OFFSET SLOTTED
JG	PENCIL
JH	PYRAMID
RD	ROUND
JJ	ROUND W/POINTED TIP
JK	ROUND W/PYRAMID TIP
JL	ROUND W/SPADE TIP
JM	SCREWDRIVER
JN	SEMICHISEL
JP	SHORT TAPER CHISEL
JQ	SMOOTHING DISC
JR	SPADE
BK	STRAIGHT
JT	STRAIGHT CONICAL
JW	STRAIGHT END, 90 DEG BEND

REPLY CODE	REPLY (AD07)
JX	STRAIGHT PENCIL
JY	STRAIGHT PYRAMID
JZ	STRAIGHT SCREWDRIVER
KA	STRAIGHT SPECIAL, EYELET CLEANING
BLE	STRAIGHT W/HOLLOW CONE TIP
KB	TAPERED FLAT ANGLE END
KC	TAPERED FLAT END
KD	TAPERED NEEDLE
KE	TAPERED SQUARE END
BF	WEDGE
KF	30 DEG BENT PYRAMID
KG	30 DEG CHAMFERED END
BLF	45 DEG BENT HOLLOW
KH	45 DEG BENT SCREWDRIVER
KJ	90 DEG BENT BLUNT TAPER
KK	90 DEG BENT PYRAMID
KL	90 DEG BENT SPECIAL, COATING STRIPPER
KM	90 DEG BENT SPECIAL, WIRE STRIPPER

Table 6 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AB89)
A	ANY ACCEPTABLE
SE	BUSHING NUT
AD	CLAMP
GK	COUPLING NUT
AG	FRICTION
SF	LOCKNUT
HW	PLUG-IN
SG	PLUG W/SETSCREW
JC	PRESS FIT
SH	PRESSURE BY THREADED NUT ON IRON
EF	PUSH-ON
SJ	REVERSIBLE TIP SETSCREW
AJS	SCREW COLLAR
FK	SETSCREW
SK	SLIDE ON-OFF
SL	SOCKET SCREW THREAD
AU	THREAD
AAK	THREADED
GZ	THREADED END
SM	TWO-TERMINAL SLUG

Table 7 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING

REPLY CODE	REPLY (AD08)
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 8 - IDENTIFIED/SECONDARY ADDRESS CODING (I/SAC)

IDENTIFIED/SECONDARY ADDRESS CODING (I/SAC)

INDICATOR	LOCATION
1A	BODY AND CONTACT
1B	CONTACT
1C	BODY
1D	BARREL INSULATION
1E	BASE INSULATION
1F	CONTACT INSULATION
1G	BODY INSULATION (completely insulated)
1H	HANDLE INSULATION
1J	TERMINAL INSULATION

Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables
BODY STYLES

INDEX OF MASTER REQUIREMENTS CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA0.250*; ABHPJLA6.3*; ABHPJAB0.125$$JAC0.500*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

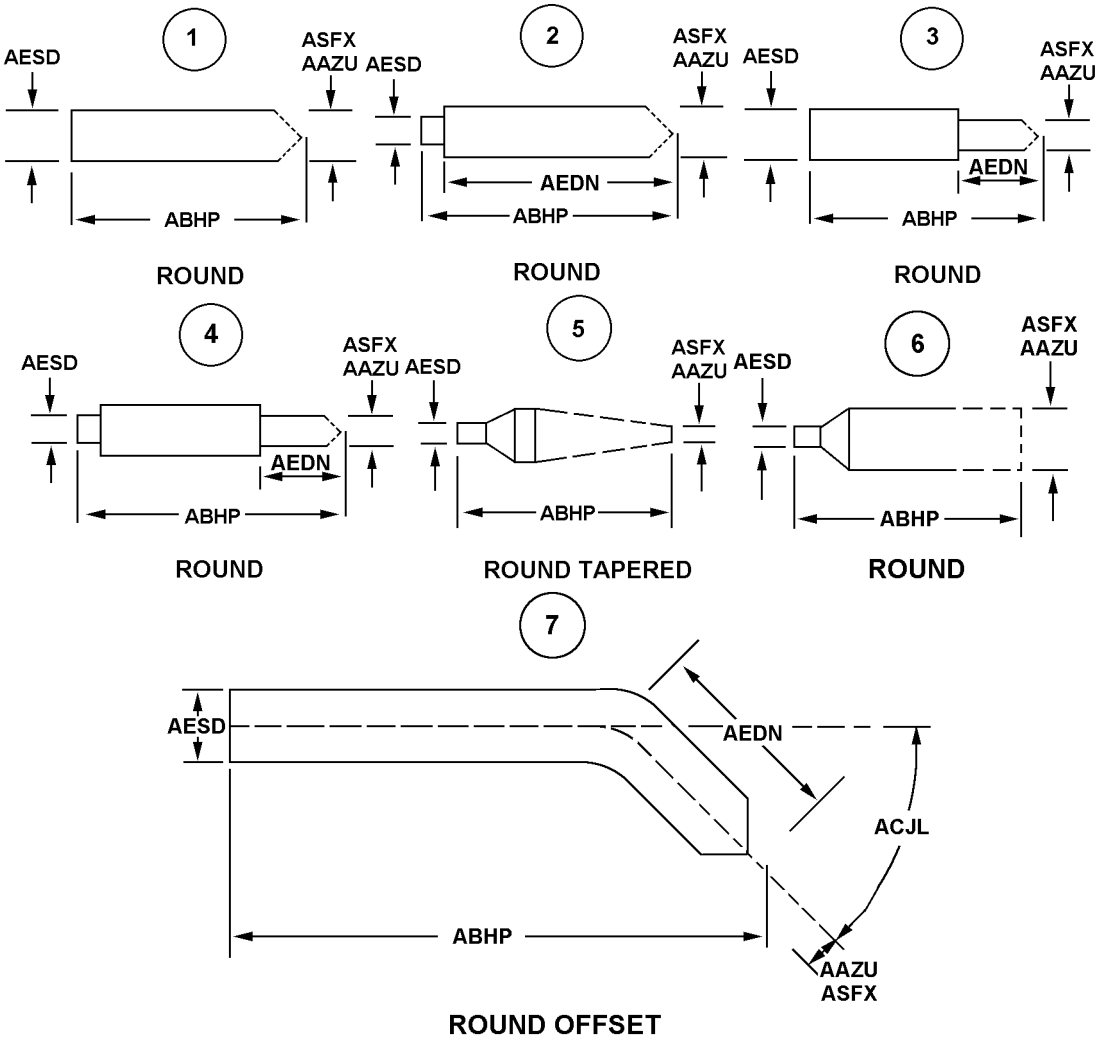
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
AAZU	J	TIP DIAMETER
ABHP	J	OVERALL LENGTH
AEDN	J	TIP LENGTH
AESD	J	MOUNTING END DIAMETER
ASFX	J	TIP WIDTH

Enter the numeric value. (e.g., ACJLB2.0*)

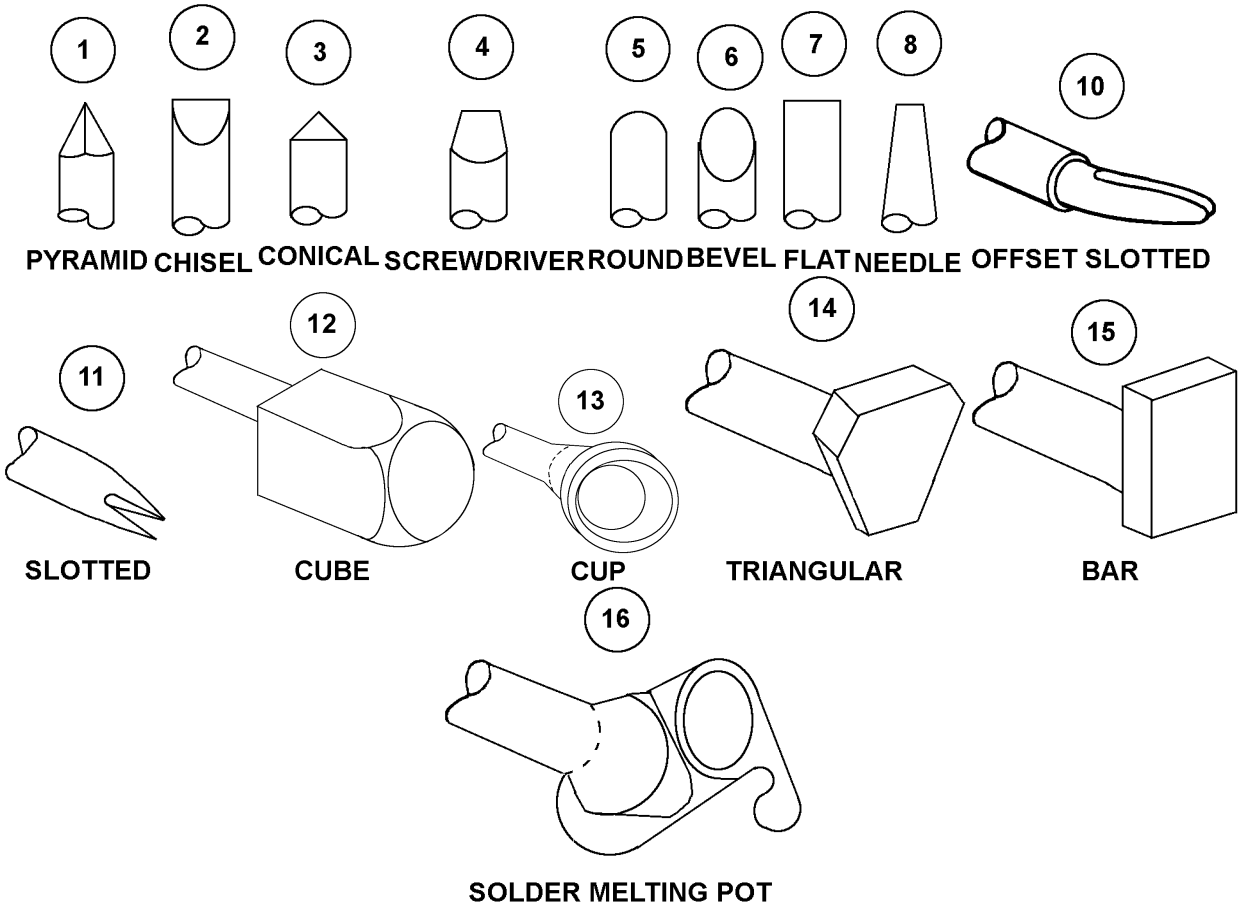
MRC	Mode Code	Name of Dimension
ACJL	B	BEND ANGLE IN DEGREE

BODY STYLES


1
AESD
ASFX
AAZU
ABHP
ROUND
2
AESD
ASFX
AAZU
AEDN
ABHP
ROUND
3
AESD
ASFX
AAZU
AEDN
ABHP
ROUND
4
AESD
ASFX
AAZU
AEDN
ABHP
ROUND
5
AESD
ASFX
AAZU
ABHP
ROUND TAPERED
6
AESD
ASFX
AAZU
ABHP
ROUND
7
AESD
AEDN
ACJL
ABHP
AAZU
ASFX
ROUND OFFSET

REFERENCE DRAWING GROUP B

TIP END STYLES



REFERENCE DRAWING GROUP C Tables
NOZZLE STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA0.250*; ABHPJLA6.3*; ABHPJAB0.125$$JAC0.500*)

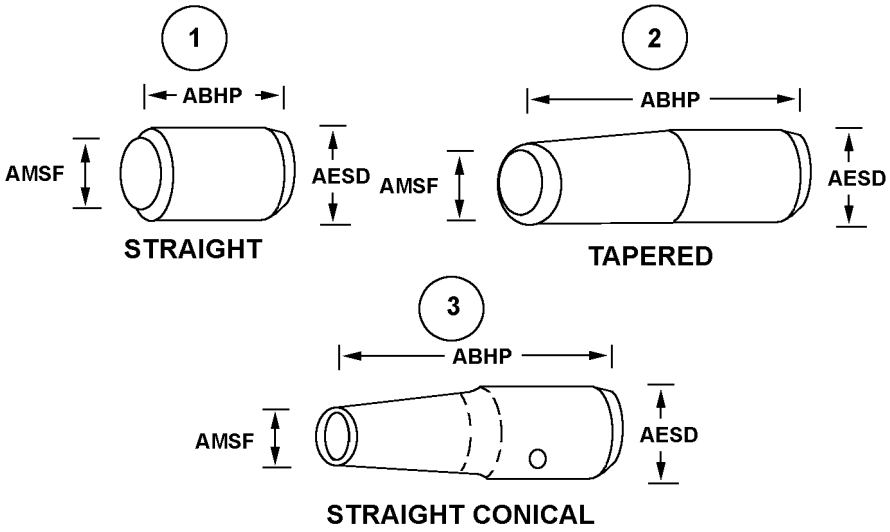
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
ABHP	J	OVERALL LENGTH
AESD	J	MOUNTING END DIAMETER
AMSF	J	ORIFICE DIAMETER

REFERENCE DRAWING GROUP C

NOZZLE STYLES



REFERENCE DRAWING GROUP D Tables
CLIP STYLES

INDEX OF MASTER REQUIREMENTS CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA12.500*; ABHPJLA317.5*; ABHPJAB12.000$$JAC13.000*)

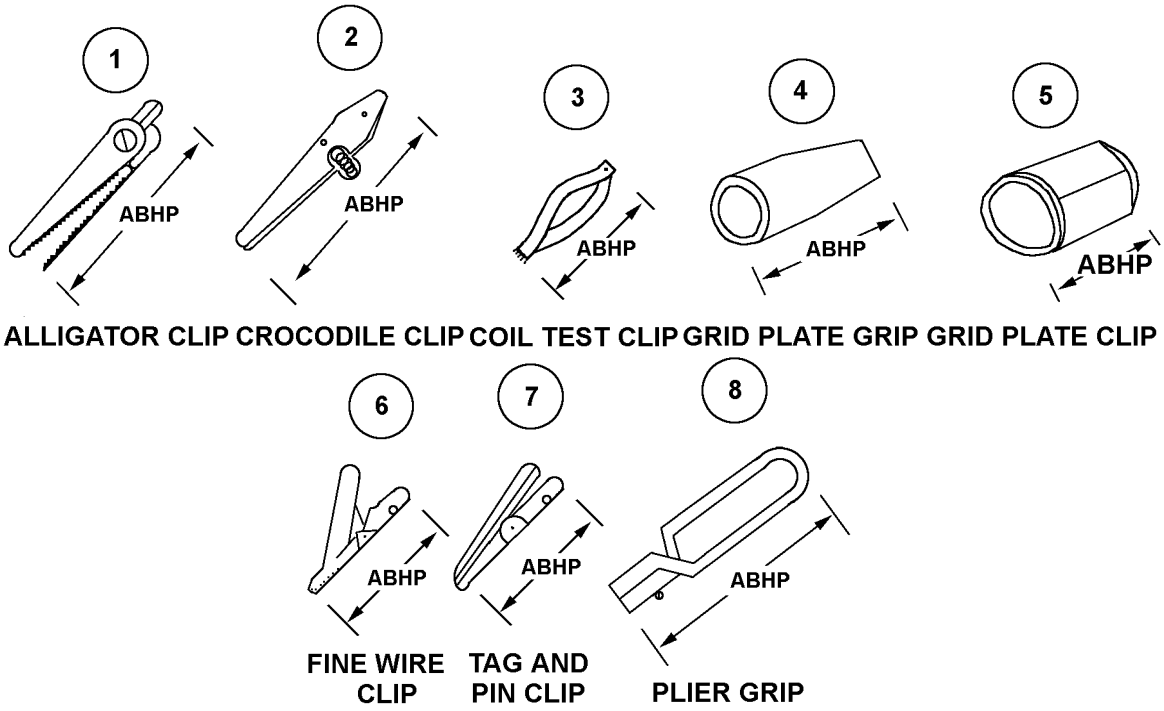
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
ABHP	J	OVERALL LENGTH

REFERENCE DRAWING GROUP D

CLIP STYLES



Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective July 2, 2010

This change replaced with ISAC or and/or coding.